AMENDMENTS TO THE CLAIMS

Also, in the Application, please amend the set of claims 1-35 as hereinafter indicated.

1. (Currently Amended). A method of controlling a vehicle with a 4x4 driving system, said method comprising the steps of:

determining a potential rollover condition <u>from dynamic conditions sensed onboard said</u> vehicle; and

transferring driving torque <u>both</u> through <u>an</u> electronically-controlled center differential or <u>an</u> electronically-controlled transfer case <u>and</u> to <u>the</u> front wheels <u>of said vehicle so as</u> to prevent rollover of said vehicle.

- 2. (Currently Amended) A method as recited in claim 1, wherein the step of transferring said driving torque is performed when a vehicle the speed of said vehicle is determined to be below a predetermined low speed threshold.
- 3. (Currently Amended) A method as recited in claim 1, wherein the step of transferring said driving torque is performed when a steering wheel angle of said vehicle is determined to be above a steering wheel predetermined steering-wheel angle threshold.
- 4. (Currently Amended) A method as recited in claim 1, wherein the step of transferring <u>said driving torque</u> is performed when a throttle opening is <u>determined to be</u> below a <u>throttle opening predetermined throttle-opening</u> threshold.
- 5. (Currently Amended) A method as recited in claim 1, wherein the step of transferring said driving torque is performed when a vehicle both the speed of said vehicle is determined to be below a low-speed predetermined low-speed threshold and [[when]] a throttle opening is determined to be below a throttle opening predetermined throttle-opening threshold.
- 6. (Currently Amended) A method as recited in claim 1, wherein the step of determining [[a]] said potential rollover condition is performed in response to a roll-rate signal.

7. (Currently Amended) A method of controlling a vehicle with a 4x4 driving system, said method comprising the steps of:

generating a rollover signal in response to a potential rollover <u>situation as determined</u> from <u>dynamic conditions sensed onboard said vehicle</u>;

increasing a torque in a front <u>outside</u> wheel <u>of said vehicle</u> through a differential in response to [[the]] said rollover signal; and

braking a rear outside wheel of said vehicle in response to [[the]] said rollover signal.

- 8. (Currently Amended) A method as recited in claim 7, wherein the step of increasing said torque is performed when a throttle opening is determined to be above a throttle opening predetermined throttle-opening threshold.
- 9. (Currently Amended) A method as recited in claim 7, wherein the step of increasing [[the]] said torque comprises is accomplished by increasing [[the]] said torque to a full torque application level.
- 10. (Currently Amended) A method as recited in claim 7, wherein said method further eemprising comprises the step of reducing oversteer yawing in response to said increasing [[the]] said torque in said front outside wheel and also said braking said rear outside wheel.
- 11. (Currently Amended) A method as recited in claim 7, wherein said method further comprising comprises the step of braking a front inside wheel of said vehicle.
- 12. (Currently Amended) A method as recited in claim 11, wherein the steps of increasing said torque in said front outside wheel and braking both said rear outside wheel and said front inside wheel are performed when a throttle opening is determined to be above a throttle opening predetermined throttle-opening threshold.

- 13. (Currently Amended) A method as recited in claim 7, wherein said method further comprising comprises the steps of determining a wheel lift condition[[,]] and wherein braking a front inside wheel of said vehicle is performed during the determination of [[a]] said wheel lift condition.
- 14. (Currently Amended) A method as recited in claim 7, wherein the step of increasing [[the]] said torque is performed using a limited slip limited-slip differential or a viscous coupling.
- 15. (Currently Amended) A method as recited in claim 7, wherein the step of increasing [[the]] said torque is performed using a Torsen differential.
- 16. (Currently Amended) A method of controlling a vehicle having an active differential, said method comprising the steps of:

determining a rollover condition from dynamic conditions sensed onboard said vehicle; in response to [[the]] said rollover condition, controllingly disengaging an inside wheel of said vehicle from an outside wheel of said vehicle with [[the]] said active differential; and thereafter, determining a wheel lift condition of [[án]] said inside wheel.

- 17. (Currently Amended) A method as recited in claim 16, wherein said method further comprising comprises the step of applying engine torque to [[the]] said outside wheel so as to prevent rollover of said vehicle.
- 18. (Currently Amended) A method as recited in claim 16, wherein the step of determining [[a]] said wheel lift condition comprises is accomplished by actively determining wheel lift.
- 19. (Currently Amended) A method as recited in claim 18, wherein actively determining said wheel lift comprises determining wheel lift is accomplished by applying a change in torque to [[the]] said inside wheel and also monitoring a change in speed of [[the]] said wheel.

20. (Currently Amended) A method of controlling a vehicle having a first wheel, a second wheel, and an active differential, said method comprising the steps of:

during a potential rollover event or stability control event, determining a slip condition of [[a]] said first wheel of [[the]] said vehicle;

controllingly reducing torque to [[the]] said first wheel in response to [[the]] said slip condition using [[the]] said active differential; and

controllingly increasing torque to [[the]] said second wheel in response to [[the]] said slip condition using [[the]] said active differential.

- 21. (Currently Amended) A method as recited in claim 20, wherein reducing torque to the first wheel and increasing torque to the second wheel are performed with said active differential is an active center differential.
- 22. (Currently Amended) A method as recited in claim 20, wherein reducing torque to the first wheel and increasing torque to the second wheel are performed with said active differential is an active axle differential.
- 23. (Currently Amended) A method as recited in claim 20, wherein determining [[a]] said slip condition comprises determining a slip condition is accomplished in a traction control system (TCS).
- 24. (Currently Amended) A method of controlling a vehicle having an active differential, said method comprising the steps of:

determining a rollover condition from dynamic conditions sensed onboard said vehicle;

in response to [[the]] <u>said</u> rollover condition, <u>controllingly</u> disengaging <u>an outside</u> <u>a</u> front <u>outside</u> wheel from an inside wheel <u>of said vehicle</u> with [[the]] <u>said</u> active differential;

applying a braking torque to the outside said front outside wheel; and

applying powertrain torque to the outside <u>a</u> rear <u>outside</u> wheel <u>of said vehicle so as</u> to counter a deceleration caused by <u>the</u> braking <u>of [[the]] said</u> front outside wheel.

- 25. (Currently Amended) A method as recited in claim 24, wherein the step of applying powertrain torque comprises applying powertrain torque to the outside said rear outside wheel is accomplished so as to balance a weight transfer from front to rear of said vehicle.
- 26. (Currently Amended) A method of controlling a vehicle having an active differential said method comprising the steps of:

determining a <u>possible</u> rollover condition <u>from dynamic conditions sensed onboard said</u> <u>vehicle</u>; and

in response to [[the]] <u>said possible</u> rollover condition, using [[the]] <u>said</u> active differential <u>distributing to distribute</u> torque between [[the]] <u>a</u> front right wheel, <u>a</u> front left wheel, <u>a</u> rear left wheel, and [[the]] <u>a</u> rear right wheel <u>of said vehicle so as</u> to <u>help</u> prevent <u>actual</u> rollover.

- 27. (Currently Amended) A method as recited in claim [[23]] <u>26</u>, wherein distributing torque comprises is at least partially accomplished by applying positive torque to the outside a front <u>outside</u> wheel <u>of said vehicle</u>.
- 28. (Currently Amended) A method as recited in claim [[23]] <u>26</u>, wherein distributing torque comprises reducing understeer is at least partially accomplished by applying positive torque to the outside a front outside wheel of said vehicle so as to reduce understeer.
- 29. (Currently Amended) A <u>roll stability control system for a</u> vehicle having [[a]] front wheel wheels and rear wheels, said <u>roll stability control system</u> comprising:
 - a differential;
 - a rollover sensor generating operable to generate a rollover signal; and
 - a controller coupled to [[the]] said rollover sensor and [[the]] said differential[[,]];
- wherein [[the]] said controller controlling a is operable to control said differential limiting so as to limit vehicle powertrain torque applied to [[the]] said front wheels [[to]] and thereby prevent rollover of said vehicle.
- 30. (Currently Amended) A <u>roll stability control system for a</u> vehicle as recited in claim 29, wherein [[the]] <u>said</u> differential comprises is an active differential.

- 31. (Currently Amended) A <u>roll stability control system for a</u> vehicle as recited in claim 29, wherein [[the]] <u>said</u> differential comprises is an active axle differential.
- 32. (Currently Amended) A <u>roll stability control system for a vehicle</u> as recited in claim 29, wherein [[the]] <u>said</u> rollover sensor comprises a <u>roll-rate</u> sensor.
- 33. (Currently Amended) A <u>roll stability control system for a</u> vehicle as recited in claim [[32]] <u>29</u>, wherein [[the]] <u>said</u> rollover sensor comprises a <u>roll-rate</u> sensor and a <u>lateral acceleration</u> lateral-acceleration sensor.
- 34. (Currently Amended) A <u>roll stability control system for a vehicle</u> as recited in claim [[32]] <u>29</u>, wherein [[the]] <u>said</u> rollover sensor comprises a <u>roll-rate</u> sensor, a <u>lateral acceleration</u> <u>lateral-acceleration</u> sensor, and a <u>vehicle-speed</u> <u>vehicle-speed</u> sensor.
- 35. (Currently Amended) A <u>roll stability control system for a vehicle</u> as recited in claim [[32]] <u>29</u>, wherein [[the]] <u>said</u> rollover sensor comprises <u>roll-rate</u> a <u>roll-rate</u> sensor, a <u>lateral acceleration</u> <u>lateral-acceleration</u> sensor, a <u>vehicle speed vehicle-speed</u> sensor, and a <u>yaw-rate</u> <u>yaw-rate</u> sensor.